

## **Plant Genomes Central**

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Plant Genomes Central (PGC) is an integrated, Web-based portal for plant genomics data and tools at the National Center for Biotechnology Information (NCBI). It provides access to large-scale plant genomic and EST sequencing data, with links to corresponding taxonomic database. Organisms that have Large-scale sequencing projects and/or where genetic maps are available can be viewed through the MapViewer. It allows the user to view and search an organism's complete genome, display chromosome maps, and get progressively greater levels of detail, down to the sequence data, if available. Currently MapViewer is available for *Arabidopsis thaliana*, *Avena sativa*, *Hordeum vulgare*, *Oryza sativa*, *Triticum aestivum*, *Zea mays*, *Lycopersicon esculentum*, and *Glycine max*. PGC also offers multiple genome search page which allows the user to perform searches across mapped genomes. The plant genome BLAST databases are locally collected subsets of GenBank accessions which are associated with the loci of the available maps. The BLAST result includes the opportunity for Map Viewer to display the BLAST hits in the context of other chromosomal landmarks.